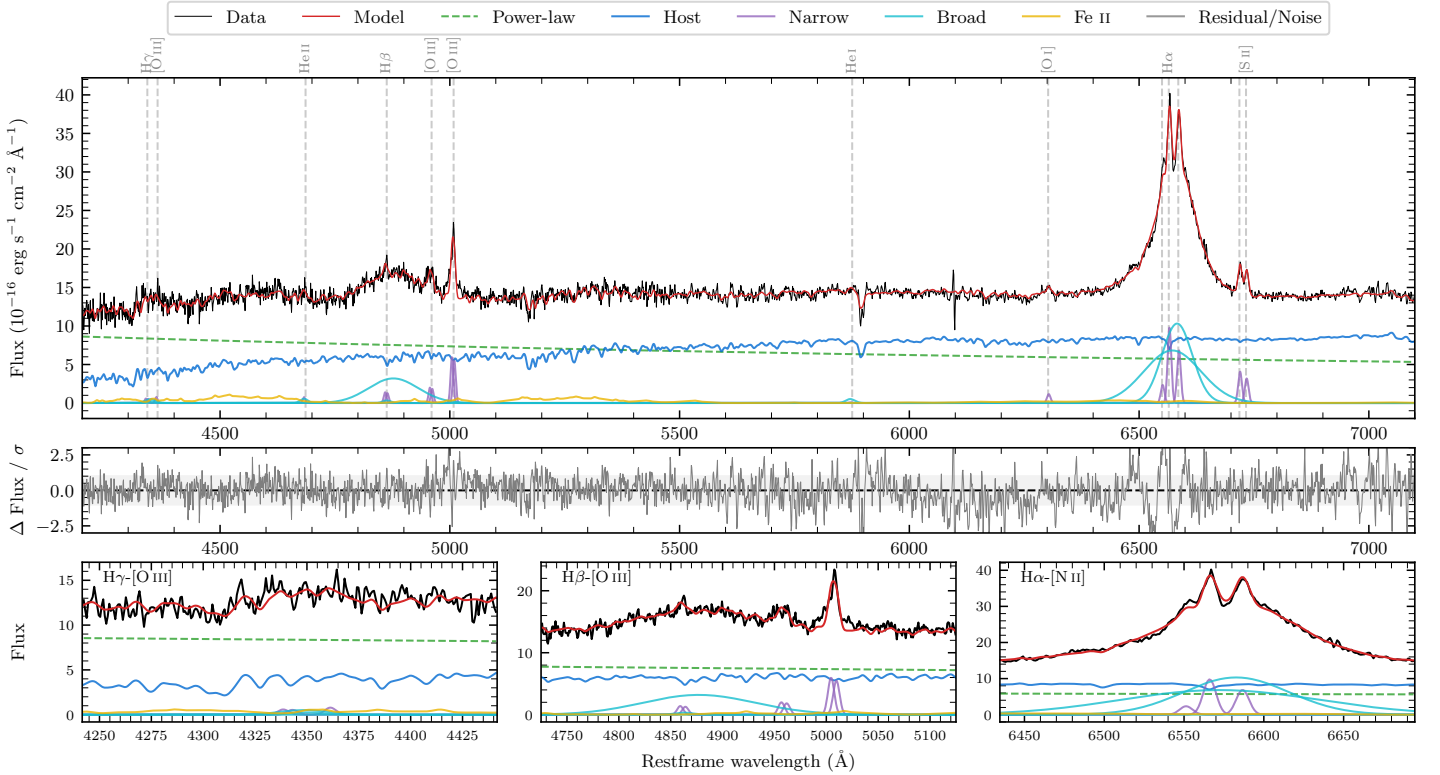
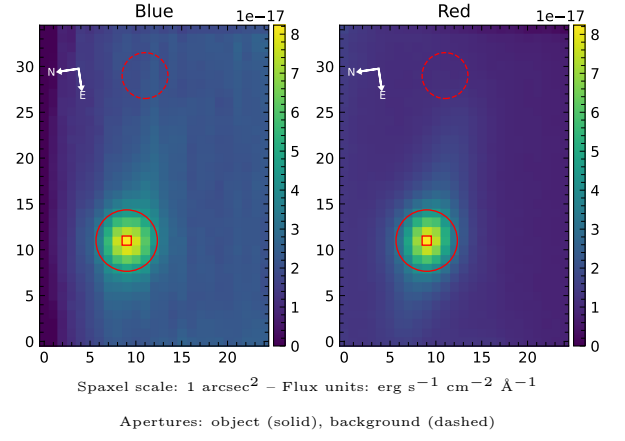


FRL 1041

Spectrum ID	1778703_sp1	Spectrum type	Sy 1.0
Alt name	g2317302-424705	Quality flag	good
z	0.0337	AGN reference	6dFGS
RA, Dec	349.3758, -42.7848	MW $E(B - V)$	0.013
MJD	59398.77	Power law α_ν	-1.08 ± 0.15
SNR/ \AA B/R	15.6/36.8	$\log L_{5100, \text{AGN}}$	42.98 ± 0.02
Obs airmass	1.02	$\log H\beta_{\text{Br}}/[\text{O III}]$	0.70 ± 0.03
SMSS ID	1778703	$\log M_{L5100}/M_\odot$	8.20 ± 0.05
Neighbour	None $< 15''$	$\log M_{\text{H}\alpha}/M_\odot$	7.62 ± 0.02
SMSS $\langle r_6''_{\text{ap}} \rangle$	15.63 ± 0.04	$\log M_{\text{H}\beta}/M_\odot$	8.15 ± 0.06
2MASS K_{ext}	11.49 ± 0.05	$\log M_{[\text{O III}]} / M_\odot$	7.94 ± 0.07



Emission Line Measurements

Line	$\log L$ (erg s ⁻¹)	FWHM (km s ⁻¹)	σ (km s ⁻¹)	EW (Å)
H γ Narrow	39.30 ± 0.33	635 ± 64	239 ± 25	0.93 ± 0.38
Hγ Broad	39.78 ± 0.22	1581 ± 221	617 ± 56	2.37 ± 0.72
[O III] 4364	39.15 ± 0.34	436 ± 63	184 ± 25	0.66 ± 0.35
He II Narrow	39.17 ± 0.33	436 ± 63	184 ± 25	0.73 ± 0.30
He II Broad	39.49 ± 0.28	1233 ± 65	524 ± 26	1.53 ± 0.52
H β Narrow	39.73 ± 0.13	635 ± 64	239 ± 25	2.75 ± 0.33
Hβ Broad	41.07 ± 0.02	7389 ± 400	2838 ± 30	60.37 ± 1.34
[O III] 5007	40.37 ± 0.02	635 ± 64	239 ± 25	12.43 ± 0.34
He I Narrow	—	—	—	—
He I Broad	39.53 ± 0.13	1179 ± 62	500 ± 25	2.07 ± 0.31
[O I] 6300	39.48 ± 0.07	436 ± 63	184 ± 25	1.95 ± 0.21
H α Narrow	40.42 ± 0.01	436 ± 63	184 ± 25	17.82 ± 0.25
Hα Broad	41.71 ± 0.01	4418 ± 71	1881 ± 25	345.15 ± 0.91
[N II] 6585	40.27 ± 0.02	436 ± 63	184 ± 25	12.60 ± 0.25
[S II] 6718	40.05 ± 0.02	436 ± 63	184 ± 25	7.78 ± 0.23
[S II] 6732	39.94 ± 0.03	436 ± 63	184 ± 25	6.11 ± 0.23

Emission Summary

H α broad SNR	19.72
H β broad SNR	4.03
H γ broad SNR	1.08
AGN frac	0.55
Host frac	0.45
$\log L_{5100, \text{Host}}$	42.89
Fe II/H β	0.46
Fe II/[O III]	2.28

Quality Flags

spurious_hab/hbb	0/0
15100	0
balmer	0
balmer_snr	1
hb_width	0
balmer_width	0